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Concentration dependences of solvent self-diffusion coefficients in solutions and heterogeneous systems

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Abstract

On the basis of the concepts of exchange processes the problem to interpret solvent self-diffusion coefficients measured by pulsed field gradient nuclear magnetic resonance in solutions of various nature and heterogeneous systems is discussed. The problem to choose the concentration scale for the interpretation of the concentration dependences of self-diffusion coefficients in such systems is discussed as well. © Springer-Verlag 2005.